

Product datasheet for **RR209940**

Taf2 (NM_133319) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Taf2 (NM_133319) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Taf2
Synonyms:	TAFIIB
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR209940 representing NM_133319 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCGCCACCGCTTAGAGTCTCCAGGATGAACAGGAAGAAAGGAGACAAGGGCTTCGAAAGCCAC
GGCCGTACAAATTAACCCATCAGGTCGTCTGCATCAACAACATAAACTTCCAGAGAAAGTCTGTTGTGGG
GTTTGTGGAGCTGACTATATTTCTACGGTTGCAAACCTGAATAGAATCAAGCTGAACAGTAAACAGTGT
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GTCACAGCGAATCAAAACAGAGAAAACCTCAATTATTTTCCAATGCGTATGCAGCTGCAGTCAGTCTGT
GGACCCTGATGCGGGGAACGGAGAACTCTGCATTAAGGTCCTCAGAGCTCTGGAAGCAGTCGATGAG
TTAAAGGTCCTGAAGATACATATTAATTTTCTTTGGATCAGCCAAAAGGAGGTCTTCATTTTGTGGTAC
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GCGATGGTGGCTGTCCAATGGAGATTTGGTGGAGACAGTGTACTCAGCAGATGAGAAAGAAGACCT
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CAGGTTATATTTATGGACTGTGGATGAAGAAAACGTTTGGTGTCAATGAGTACCACCATTGGATTAAGA
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ACATCCAGCCCTTAATAAAGCAGTGGGTAGACCAGAGTGGAGTGGTAAAGTTTTATGGAAGTTTTGCATT
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Protein Sequence: >RR209940 representing NM_133319
 Red=Cloning site Green=Tags(s)

MPPTGLESSRMNRKKGDKGFESPRPYKLTHQVVCINNINFQRKSVVGFVELTIFPTVANLNRIKLNKQCR
 RIYRVRINDLEAAFIYNDPTLEVCHSESKQRNLNYFSNAYAAAVSAVDPDAGNELCIKVPSELWKHVDE
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 VGPLKVTVQELDGSFNHTLQIEENSLKHDIPCHSKSRRNKKKKIPLMNGEEVMDLSAMDADSPLLWIRI
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 LSRPSCPLPELGLVLNLKEKKAVALNPTIIEAGVGNQETASNPGCHTQLAGFQNPFSQDEEEVDMDT
 VHDSQAFISHHLNMLERPSTPGLSKYRPSRSSRLMPQHALGCDITPTTKPQWSMELSRKAGKEQPLEM
 GVHPVAAPLSVFAKEALSSARHSEHHHHHHHEHKKKKKHKHKHKHKHDGKDKDKDKEPFTFSSPASG
 RSVRSPSLSD

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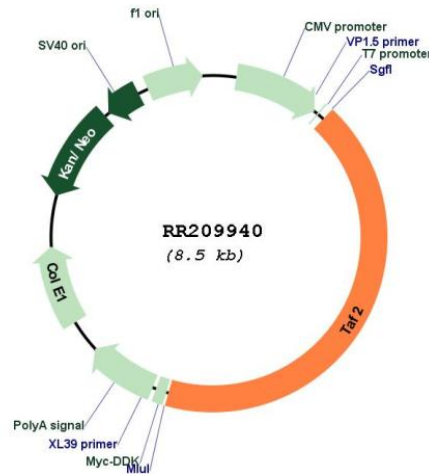
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_133319

ORF Size: 3600 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_133319.1](#), [NP_579853.1](#)

RefSeq Size: 5042 bp

RefSeq ORF: 3603 bp

Locus ID: 170844

Cytogenetics: 7q32

MW: 137.1 kDa

Gene Summary: mRNA expression increases in response to paraquat intake; may play a role in response to paraquat induced reactive oxygen species production and lung injury [RGD, Feb 2006]